

Modeling WG Talking points

NEWS PI Meeting Dec 2-3 2009

(Add additional slides as needed
use speaker notes to add any lengthy
explanations see icon to right)

Climate and Variability

- MERRA
 - Discontinuities in the time series
 - Regional biases - but any improvement compared to existing reanalyses
 - Water and energy budgets
 - Validation metrics and diagnostics
- Observed variability
 - how well is it predicted/assimilated
 - uncertainty and metrics for model validation

Water and Energy Budget Climatology

- Assessing Model and Reanalysis budget terms
- High latitude model and observed data
- Uncertainty of reanalysis data: Climatology Ensemble?
 - Significant variability among reanalyses, which is correct?
Some work suggests an ensemble may be useful

Climate: Extreme events

- Modeling extremes
- Reanalyses and extremes
- Reanalysis and simulation of ice extent climate impact

Evaporation/Landflux

- Offline Land models
- Reanalyses fluxes useful?
- Validation plan for Landflux data sets

Integration Projects/Papers

Water Vapor Transport and Climate Variability - L'Ecuyer, Olson, Robertson and Bosilovich

MERRA Special Issue? - Any suggestions for an integration paper

Holes: Key points with little current
NEWS activity, What does NEWS
(modeling) need?

None, NEWS is perfect as is?